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TITLE : METHOD FOR PRODUCING CATALYST SUBSTANCE-SUPPORTING CARBON FIBER
AND METHOD FOR STORING HYDROGEN

ABSTRACT : PROBLEM TO BE SOLVED: To provide a readily mass-producible hollow carbon fiber capable of affording a uniform shape and characteristics without requiring purification and removal of a metal catalyst due to no use of the metal catalyst, a method for producing the hollow carbon fiber and a method for storing hydrogen in a high storage volume of the hydrogen.

SOLUTION: The method for producing a catalyst substance-supporting carbon fiber and the method for storing the hydrogen are provided. Furthermore, the method for producing the catalyst substance-supporting carbon fiber comprises a step of preparing a fibrous formed product using a resin composite comprising a polymer disappearing by thermal decomposition and containing the catalyst substance and the carbon precursor polymer and a step of heating and baking the fibrous formed product obtained in the step. The method for storing the hydrogen comprises using the catalyst substance-supporting carbon fiber.

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